



Louisville and Jefferson County Metropolitan Sewer District
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6828

May 6, 2009

Mr. Femi Akindele
Remedial Project Manager
Kentucky/Tennessee Section
U.S. Environmental Protection Agency
Region IV
61 Forsyth Street
Atlanta, GA 30303

**Re: Report of Field Observation – FY10 – Third Quarter (FY10-3Q)
Lees Lane Superfund Site, Jefferson County, Kentucky,
Administrative Order on Consent, USEPA Docket No-91-32-C**

Dear Mr. Akindele

In accordance with paragraph 11, under Reporting Requirements, of the subject Consent Order and Attachment 1, Operation and Maintenance Plan For Post-Removal Site Control at the Lees Lane Landfill Site. I am enclosing one (1) copy of the Report of Field Observation (Appendix J), identified as Observation Report No FY10-3Q, for your information and files.

Please advise if you have any questions concerning the attached Report of Field Observation for FY10-3Q.

Sincerely,

Richard H. Watkins, Sr.
Sewer Maintenance Supervisor
RHW/rw
Lees-10-3Q

Enc.

cc: Kentucky National Resource Environment Protection Cabinet
Ms. Cheryl B. Harris, Division of Waste Management
H. J. Schardein, Jr., Executive Director
Saeed Assef, Infrastructure & Flood Protection Director
Lees Lane File



Beneficial Use of Louisville's Biosolids
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REPORT OF FIELD OBSERVATION
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No: FY10-3Q Date of Observation 03/30/10
Time Arrived Onsite: 10:30 AM Time Departed Site: 12:45 PM
Field Personnel: RICHARD H WATKINS, SR. SEWER MAINTENANCE SUPERVISOR

Section A: General Site Conditions

Observations:	<u>Yes*</u>	<u>No</u>	<u>Not Observed</u>	<u>Comment No.</u>
1. Major settlement of topsoil or erosion exposing waste/fill material	—	—	—	—
2. Evidence of leachate seepage	—	—	—	—
3. Distressed Vegetation	—	—	—	—
4. Pot holes, erosion of access road	<u>X</u>	—	—	<u>A-4</u>

Section B: Institutional Controls

Observations:	<u>Yes*</u>	<u>No</u>	<u>Not Observed</u>	<u>Comment No.</u>
1. Structural problem with Lee's Lane gate or barricade	<u>X</u>	—	—	<u>B-1</u>
2. Structural problem with Putman Ave. barricade	<u>X</u>	—	—	<u>B-2</u>
3. Lee's Lane gate unlocked	—	—	—	—
4. Broken or missing lock	—	—	—	—

Section C: Gas Collection System

Observations:	<u>Yes*</u>	<u>No</u>	<u>Not Observed</u>	<u>Comment No.</u>
1. Vandalism to blower house wells, or moisture traps	—	—	—	—
2. Structural damage to blower house	—	—	—	—
3. Blower not operating or visible damage	<u>X</u>	—	—	<u>C-3</u>
4. Blower house not secure and unclean	—	—	—	—

Observations:	<u>Yes*</u>	<u>No</u>	<u>Not Observed</u>	<u>Comment No.</u>
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5.	Service box lids not in place	—	—	—	—
6.	Alarm and blower controls not functioning	—	—	—	—
7.	Settlement or tilting of well/moisture trap concrete collars	<u>X</u>	—	—	<u>C-7</u>
8.	Well/moisture trap covers missing or damaged	<u>X</u>	—	—	<u>C-8</u>
9.	Excessive vegetation covering wells/moisture traps	—	—	—	—
10.	Adjustment valve inaccessible	—	—	—	—
11.	Well/moisture trap caps, plugs, and piping missing	—	—	—	—
12.	Blower house and well/moisture trap signs missing or damaged	—	—	—	—

Section D: Groundwater & Gas Monitor Wells

Observations:	<u>Yes*</u>	<u>No</u>	<u>Not Observed</u>	<u>Comment No.</u>
1. Wells unlocked	—	—	—	—
2. Guard posts and rails missing or damaged	—	—	—	—
3. Protective casing missing, damaged or rusted	<u>X</u>	—	—	<u>D-3</u>
4. Concrete pads damaged or cracked	—	—	—	—
5. Possible surface water infiltration into wells	—	—	—	—
6. Excessive vegetation or debris around wells	—	—	—	—
7. Well cap missing or damaged	—	—	—	—
8. Tubing, fittings, and valves missing or damaged (gas wells only)	—	<u>X</u>	—	<u>D-8</u>

Section E: Bank Protection Controls

Observations:	<u>Yes*</u>	<u>No</u>	<u>Not</u>	Comment
			<u>Observed</u>	<u>No.</u>
1. Subsidence of slope, sloughing or caving	—	—	—	—
2. Erosion of rip-rap or underlying material	—	—	—	—
3. Abnormally damp areas, wet ground vegetation	—	—	—	—
4. Soft spots in surface	—	—	—	—
5. Seepage, water flow, piping, or sand boils	—	—	—	—
6. Undermining of rip-rap	—	—	—	—
7. Vegetative growth on rip-rap slope	<u>X</u>	—	—	<u>E-7</u>
8. Buildup of trash and debris on rip-rap	<u>X</u>	—	—	<u>E-8</u>
9. Exposed trash or filter fabric	—	—	—	—
10. Tilting trees	—	—	—	—
11. Tension cracks	—	—	—	—
12. Survey monuments missing or damaged	—	—	—	—

Section F: Surface Waste Cleanup/Cover

Observations:	<u>Yes*</u>	<u>No</u>	<u>Not</u>	Comment
			<u>Observed</u>	<u>No.</u>
1. Swales greater than 1 foot wide and 2 inches deep	—	—	—	—
2. Cracks greater than 1 inch wide and 6 inches deep	—	—	—	—
3. Areas of erosional damage to grass	—	—	—	—
4. Inadequate grass cover (area > 36 ft ²)	<u>X</u>	—	—	<u>F-4</u>
5. Ponded water (area larger than 2 feet in diameter and 3 inches deep)	<u>X</u>	—	—	<u>F-5</u>
6. Erosion or ponded water greater than 12 inches deep (requires immediate repair)	—	—	—	—

*If yes, assign a comment no. in the last column and follow instructions on comment sheet.

REPORT OF FIELD OBSERVATION
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No: FY10-3Q

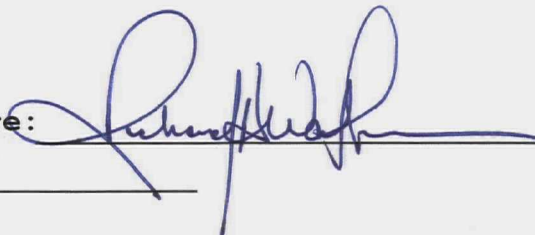
Date of Observation 03/30/10

Site Map

Observer's Signature: _____

Date: _____

3/30/10

A handwritten signature in blue ink, appearing to be "L. H. H. H.", written over a horizontal line.

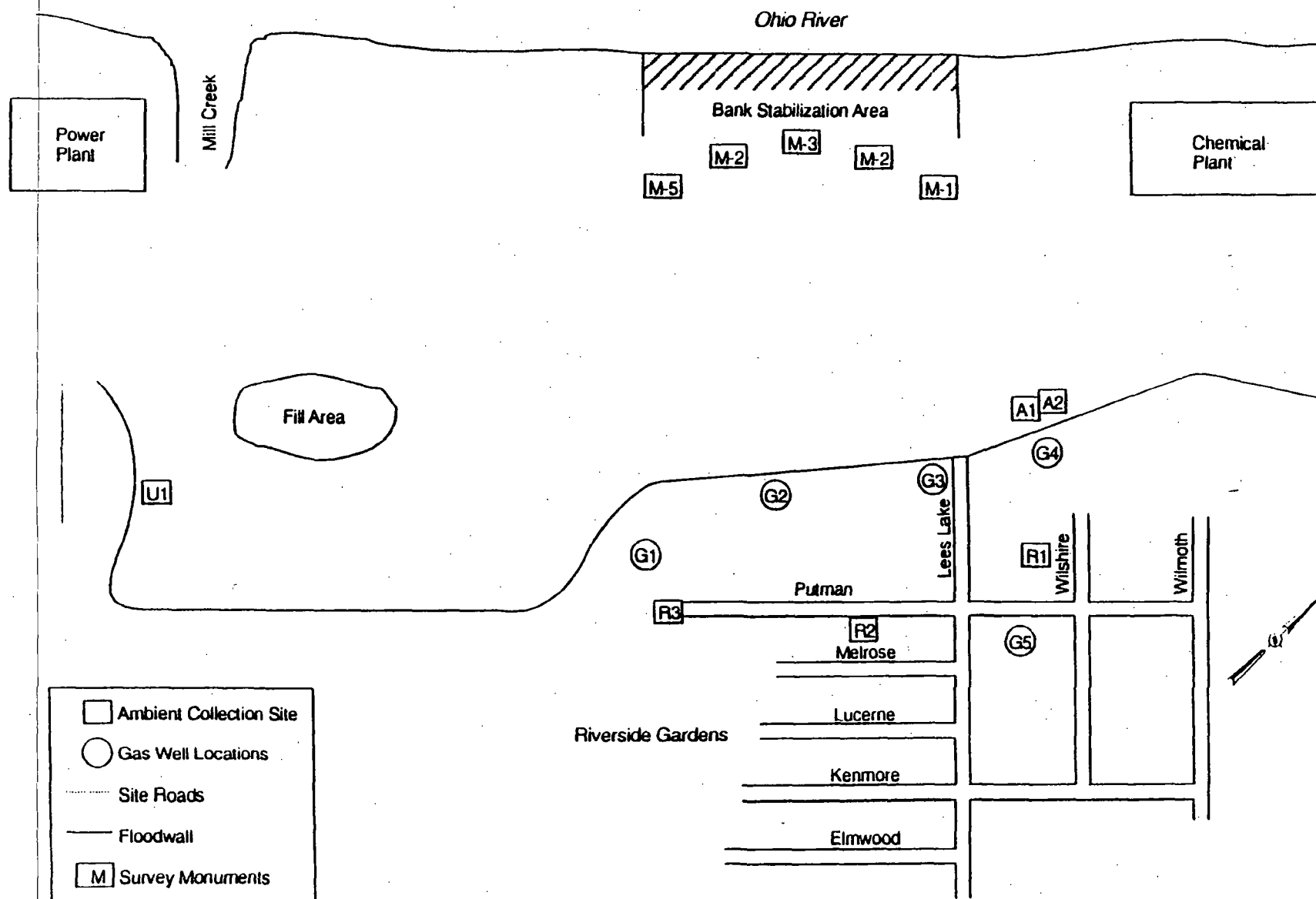


Figure 1. Lees Lane Landfill Sampling Locations

**REPORT OF FIELD OBSERVATION
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY**

Observation Report No.: FY10--3Q

Date of Observation: 03/30/10

Instruction: If any item is checked yes, provide details of the problem and maintenance recommendations below and indicate the location of deficiency on the site map provided.

Comment No.:

Comment

- | | |
|-----|---|
| A-4 | Observed rutting on the gravel road leading to gas collection Well No. 5 from ATVs activity. |
| B-1 | Condition of the Lee's Lane barricade remains unchanged from previous quarterly institutional inspections. |
| B-2 | Condition of the Putnam Avenue barricade remains unchanged from previous quarterly institutional inspections. Intrusions into the landfill site and flood protection levee areas by ATVs and other off road vehicles from the wooded areas adjacent to the Putnam Avenue barricade has been reduced, but is still evident. The landfill site and flood protection levee continues to receive surveillance by the Metro Louisville Police. |

Comment No.

Corrective Action Performed

- | | |
|-----|--|
| A-4 | Schedule gravelling of the access road leading to Well No. 5 to fill rutted areas during FY10--4Q as weather and scheduling permit. |
| B-1 | Continue to observe condition of the Lee's Lane barricade during future quarterly institutional inspections. Painting of Lee's Lane barricade during scheduled for FY10--4Q. |
| B-2 | Continue to observe condition of the Putnam Avenue barricade during future quarterly institutional inspections. Replace damaged "No Trespass - Keep Out" signs at strategic locations along the access roads and Mill Creek cut-off channel areas in an effort to discourage ATV intrusions and trespass into the landfill and levee area sites. Request increased surveillance of landfill and levee areas for intrusion. |

Comment No.:**Comment**

- C-3 Observed crack in exterior wall of blower house caused by being hit by mowing contractor
- C-7 Observed tilted well and moisture trap concrete collars for 2, 4, 8, 11, 12, 14, and 16
- C-8 Observed covers missing for moisture traps 25, 26, and 27.
- D-3 Observed protective casing of gas monitoring wells rusting.

Comment No.**Corrective Action Performed**

- C-3 Contracting for repair and replacement of damaged concrete blocks and adjustment to door frame during FY11-1Q
- C-7 Resetting of tilted well and moisture trap concrete collars for moisture traps 2, 4, 8, 11, 12, 14 and 16 during repairs of Gas collection system.
- C-8 Replacement covers to be completed during repairs to collection system
- D-3 Painting of gas monitoring wells protective casings during FY11-4Q.

Comment No.:

Comment

- D-8 Monitoring wells tubing, fittings, and valves were not directly observed, no external damage or disturbance to enclosures was evident.
- E-7 Observed vegetative growth on portions of the riprap levee and riprap drainage channel slopes.
- E-8 Observed small amount of trash and debris build-up on the riprap area from prior observations. Trespassers continue to utilize the debris as fuel for small bonfires, thereby eliminating the necessity to remove the debris from the riprap area
- F-3 Observed areas erosion damage to grass caused by off road vehicles
- F-4 Observed areas of inadequate grass cover from intrusion of ATVs.
- F-5 Observed area of ponding water from intrusion of off road vehicles creating several ruts and low areas.

Comment No.

Corrective Action Performed

- D-8 Monitoring well tubing, fittings, and valves were not directly observed but no external damage or disturbance to enclosures was evident.
- E-7 Spraying of the riprap drainage channels and riprap cap area should be scheduled during FY10--4Q.
- E-8 Schedule removal of large debris and monitor for additional debris.
- F-3 Monitor and schedule restoration of eroded areas as required as weather and staffing permit.
- F-4 Monitored at future quarterly institutional inspections backfill and seed areas as necessary.
- F-5 Condition of ruts left by ATVs and other vehicles should be monitored at future quarterly institutional inspections and scheduled backfilling as necessary.